



# POORNIMA

## COLLEGE OF ENGINEERING

### Economic Helicopter Made by Students of PCE, Jaipur

Helicopters are multipurpose means of transport - and also probably the most exciting type of aircraft to fly. Now get off the ground with this economic helicopter made by the students of Poornima College of Engineering who are not only learning theoretical concepts but also implementing them practically. The live example of the same is the group of six students of final year (Poornima College of Engineering, Jaipur) who have made an “Economic Helicopter”. It has been named Ababeel which is a name of a bird known for its speed and flight.

Let’s have a look at what exactly this economic helicopter is equipped with:

Dr. Om Prakash Sharma, Director, PCE informed that 6 students of Mechanical Department have made this helicopter which is 6 feet long equipped with 16 H.P. and 3600 R.P.M. engine. It has been designed as per the sitting capacity of one person and it can fly with weight of 190 Kilogram. The students of this group are Zainul Abadeen, Shyed Anjum Alam (Bikaner), Sunil Kumar (Hanumangarh), Naved Mahendru (Shri Ganganagar), Shailesh Kumar (Bihar), Utsah Bathiya (Delhi) who have completed their B.Tech. Education from PCE, Jaipur. The students had an idea of Ababeel in 2<sup>nd</sup> Year and since then they had been studying about the same. By using their knowledge, help of faculties and researching the rest on the internet, they finally they made it possible. Various parts of the helicopter were designed through AutoCAD and made in house lab of department Mechanical Engineering.

This helicopter may be useful in agriculture, army, emergency and natural calamity. The management of PCE supported a lot in making of this helicopter and Mr. Shailendra Kasera (HOD, Mechanical Engineering), Mr. Ram Murari Sharma and other team members led this project successfully.

